

PAT-NO: JP402303369A
DOCUMENT-IDENTIFIER: JP 02303369 A
TITLE: ULTRASONIC MOTOR
PUBN-DATE: December 17, 1990

INVENTOR-INFORMATION:

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ASSIGNEE-INFORMATION:

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APPL-NO: JP01125004

APPL-DATE: May 17, 1989

INT-CL (IPC): H02N002/00

US-CL-CURRENT: 310/333

ABSTRACT:

PURPOSE: To obtain a general use ultrasonic motor having high performance by taking out rotary drive force from a shaft arranged on a rotor.

CONSTITUTION: An ultrasonic motor comprises a cap 10, a rotor 15, a stator 20, and the like. The rotor 15 has a shaft 16 and pressure contacting with the stator section 20 through a belleville spring 17 and a bearing 18. The stator section 20 comprises a piezoelectric ceramic element 11 for longitudinal vibration, a piezoelectric ceramic element 12 for torsional vibration, a rear mass 13, and a head mass 14. Rotary force can be transmitted through a gear

arranged on the shaft 16.

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